

CRANKSHAFT/CAMSHAFT POSITION SENSORS

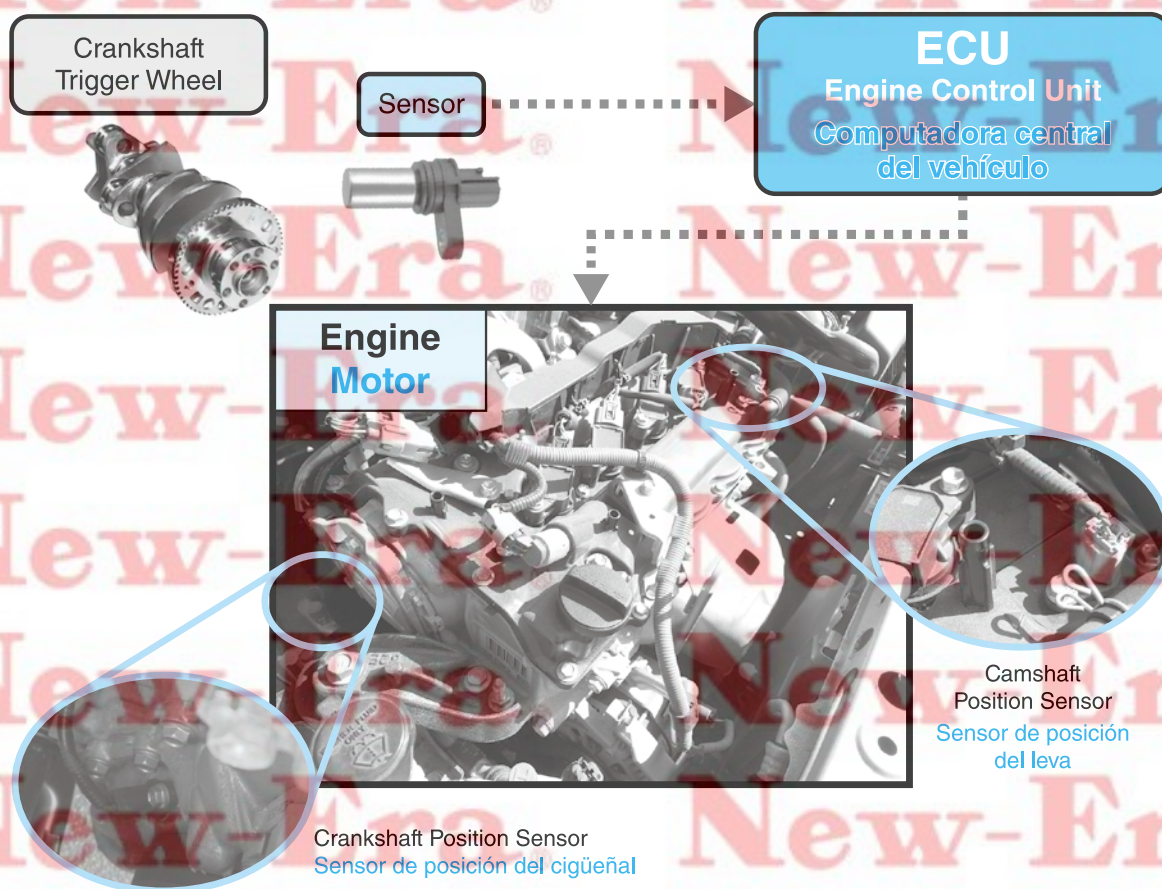
Crankshaft / Camshaft Position Sensor Sensor de posición del cigüeñal / árbol de leva

Function / Función

The crankshaft / camshaft position sensor is one of the most critical aspects of your car. It monitors the rotational speed (RPM) and position of the crankshaft / camshaft in the engine, reporting this information to the engine control unit (ECU) to govern fuel injection, ignition system timing, and other engine characteristics.

El sensor de posición de cigüeñal / leva es uno de los aspectos más críticos de su vehículo.

La función principal del sensor de posición de cigüeñal / leva es detectar la velocidad de rotación (RPM) y posición de cigüeñal / leva en el motor y transmitir estas informaciones a la computadora central del vehículo (ECU : Engine Control Unit), lo que permite que la ECU pueda controlar la inyección de combustible y la ignición de la chispa en el momento adecuado etc.



Troubleshooting / Solución de problemas

The crankshaft/camshaft position sensor continuously interacts with the ECU. Therefore, if a problem occurs with the sensor, such as sending incorrect information to the ECU, the 'Check Engine' light on the dashboard will turn on. Look for an error code (such as P0335, P0385, etc...) using the on-board diagnostics (OBD).

El sensor de posición de cigüeñal/leva interactúa continuamente con la ECU. Por lo tanto, si ocurre un problema con el sensor, se transmite la información incorrecta a la ECU y la luz de alerta "Check Engine" se encenderá en el tablero. Podemos ver el código de error (tal como P0335, P0385, etc...) utilizando un sistema de diagnóstico vehicular (OBD : on-board diagnostics).



Symptoms / Síntomas

- Starting Trouble / Problema de arranque
- Poor Gas Mileage / Bajo rendimiento en el consumo de combustible
- Rough Idling / Ralentí inestable
- Uneven Acceleration / Aceleración irregular
- Engine Stalling / Calado de motor

CRANKSHAFT/CAMSHAFT POSITION SENSORS

REFERENCE

Ref No.	New-Era No.	Ref No.	New-Era No.	Ref No.	New-Era No.
NISSAN/INFINITI		TOYOTA/LEXUS		HYUNDAI/KIA	
23731-4M500	NCS-N001	90919-05050	NCS-T001	96183235	NCS-X001
23731-4M502	NCS-N001	90919-05070	NCS-T002	39180-22600	NCS-X002
23731-4M505	NCS-N001	90919-A5004	NCS-T002	25182450	NCS-X003
23731-4M506	NCS-N001	90919-05047	NCS-T003	96253544	NCS-X004
23731-4M50A	NCS-N001	90919-05007	NCS-T004	39180-2B000	NCS-X005
23731-4M50B	NCS-N001	90919-05071	NCS-T005	39180-25200	NCS-X006
23731-4M50C	NCS-N001	90919-05021	NCS-T006	39180-25300	NCS-X006
23731-5M001	NCS-N001	029600-0371	NCS-T006	39180-26900	NCS-X007
23731-6J902	NCS-N002	029600-0372	NCS-T006	0K30A-18891	NCS-X008
23731-6J905	NCS-N002	90080-19014	NCS-T007	39310-38070	NCS-X009
23731-6J906	NCS-N002	90919-05026	NCS-T007	39318-39800	NCS-X010
23731-6J90A	NCS-N002	90919-05045	NCS-T008	96325867	NCS-X011
23731-6J90B	NCS-N002	90919-05081	NCS-T008	96325868	NCS-X012
23731-6J90C	NCS-N002	90919-05087	NCS-T008	39350-2B000	NCS-X013
23731-7Y000	NCS-N003			39350-2B010	NCS-X013
23731-7Y001	NCS-N003			39350-2B030	NCS-X013
23731-AL615	NCS-N003			39350-02710	NCS-X014
23731-AL616	NCS-N003			39350-02800	NCS-X014
23731-AL61A	NCS-N003				
23731-AL60A	NCS-N004				
23731-AL60C	NCS-N004				
23731-6N206	NCS-N005				
23731-6N202	NCS-N005				
23731-6N20A	NCS-N005				
23731-6N20B	NCS-N005				
23731-6N20C	NCS-N005				
23731-6N20D	NCS-N005				
23731-6N21A	NCS-N005				
23731-8J005	NCS-N005				
23731-8J006	NCS-N005				
23731-6N21A	NCS-N005				
23731-1VA0A	NCS-N006				
23731-EN20A	NCS-N006				
23731-31U10	NCS-N007				
23731-31U11	NCS-N007				
23731-ED02A	NCS-N008				
23731-ED02B	NCS-N008				
23731-ED02C	NCS-N008				
23731-AW410	NCS-N009				
23731-EC00A	NCS-N009				
		MITSUBISHI			
		MR420734	NCS-M001		
		J005T26273	NCS-M001		
		J5T26273	NCS-M001		
		ME226858	NCS-M002		
		0 281 002 929	NCS-M002		
		ME225366	NCS-M003		
		0 281 002 807	NCS-M003		
		MD327107	NCS-M004		
		MR985041	NCS-M005		
		J5T3147	NCS-M005		
		MAZDA			
		FSD-18-221	NCS-Z001		
		ZL01-18-221	NCS-Z001		
		ZL01-18-221A	NCS-Z001		
		J005T27072	NCS-Z001		
		J5T27072	NCS-Z001		
		FSD7-18-221B	NCS-Z002		
		FSD7-71-1621	NCS-Z002		
		PE01-18-221	NCS-Z003		
		HONDA/ACURA			
		37840-RJH-006	NCS-H001		
		37840-PLC-006	NCS-H001		
		37840-PLC-000	NCS-H001		
		SUZUKI/SUBARU			
		33220-70E00	NCS-S001		
		J5T10771	NCS-S001		

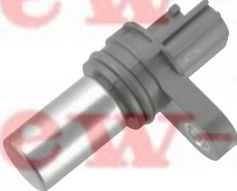
CRANKSHAFT/CAMSHAFT POSITION SENSORS

NISSAN / INFINITI

New-Era No.		Ref.No.	Application									
NCS-N001 	12V	23731-4M500	NISSAN									
		23731-4M502										
		23731-4M505										
		23731-4M506										
		23731-4M50A										
		23731-4M50B										
		23731-4M50C										
		23731-5M001										
		PRIMERA										
		BLUEBIRD										
		SYLPHY										
		CIMA										
		FUGA										
		PRESIDENT										
		AD VAN										
NCS-N002 	12V	23731-6J902	NISSAN									
		23731-6J905										
		23731-6J906										
		23731-6J90A										
		23731-6J90B										
		23731-6J90C										
		CUBE										
		WINGROAD										
		SUNNY										
		TINO										
		PRIMERA										
		BLUEBIRD										
		SYLPHY										
		CIMA										
		FUGA										
PRESIDENT												
AD VAN												
NCS-N003 	12V	23731-7Y000	NISSAN									
		23731-7Y001										
		23731-AL615										
		23731-AL616										
		23731-AL61A										
		ARMADA										
		FRONTIER										
		ALTIMA										
		XTRERRA										
		TEANA										
		INFINITY										
		FX35										
		NCS-N004 					12V	23731-AL60A	NISSAN			
								23731-AL60C				
								350Z				
ALTIMA												
MAXIMA												
MURANO												
PATHFINDER												
QUEST												
INFINITY												
F35												
GX35												
I35												
M35												

CRANKSHAFT/CAMSHAFT POSITION SENSORS

NISSAN / INFINITI

New-Era No.	Ref.No.	Application
NCS-N005 	12V 23731-6N202 23731-6N206 23731-6N20A 23731-6N20B 23731-6N20C 23731-6N20D 23731-8J005 23731-8J006	NISSAN ALTIMA QR25DE 06~ PRIMERA QR20DE 02~ X-TRAIL QR20DE 01~13
NCS-N006 	12V 23731-1VA0A 23731-EN20A	NISSAN TIIDA MR18DE 07~12 X-TRAIL MR20DE 07~12 QASHQUAI MR20DE, HR16DE 07~13 NV200 HR16DE 13~20 SENTRA MR20DE 07~12
NCS-N007 	12V 23731-31U10 23731-31U11	NISSAN MAXIMA VQ20DE 00~03 VQ30DE 95~01 VQ35DE 02 PATHFINDER VQ35DE 01~02 CEDRIC VQ30DE 92~95 INFINITI I30 VQ30DE 96~01 QX4 VQ20DE, VQ30DE 95~00 VQ35DE 01~03
NCS-N008 	12V 23731-ED02A 23731-ED02B 23731-ED02C	NISSAN CUBE HR16DE 10 JUKE HR16DE 18 MICRA HR16DE 05~10 NOTE HR16DE, HR12DE 06~13 NV200 HR16DE 10 QASHQAI HR16DE 07~13 TIIDA HR16DE 07~12
NCS-N009 	12V 23731-AW410 23731-EC00A	NISSAN ALMERA YD22DDT (i) 03~06 CABSTAR YD25DDTi 06~14 MURANO YD25DDTi 10~14 NAVARA YD25DDTi 02~10 NT400 YDE5K3KD-5LD 14 PATHFINDER YD25DDTi 05 PRIMERA YD22DDT 02~07 X-TRAIL YD22DDT (i) 01~13

CRANKSHAFT/CAMSHAFT POSITION SENSORS

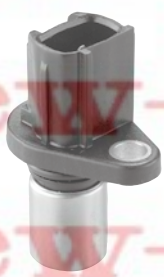
TOYOTA / LEXUS

New-Era No.	Ref.No.	Application	
NCS-T001	12V 90919-05050	TOYOTA	
		HILUX HIACE INNOVA DYNA LAND CRUISER	1KD-FTV, 2KD-FTV 2KD-FTV 2KD-FTV 1KD-FTV 2KD-FTV 1KD-FTV
NCS-T002	12V 90919-05070 90919-A5004	TOYOTA	
		AURIS AVENSIS PRIUS RAV4 CAMRY COROLLA YARIS / VITZ	1ZR-FAE/FE, 2ZR-FXE/FE 1ZR/2ZR-FAE, 3ZR-FAE/FE 2ZR-FXE 2AR-FE, 3ZR-FAE/FE 2AR-FXE/FE 1ZR-FAE/FE, 2ZR-FBE/FE 2ZR-FE
NCS-T003	12V 90919-05047	LEXUS	
		GS CT RC NX	2AR-FSE 2ZR-FXE 2AR-FSE 2AR-FXE
NCS-T004	12V 90919-05007	TOYOTA	
		ALPHARD AVENSIS CAMRY COROLLA HARRIER RAV4	2AZ-FE 1AZ-FSE, 2AZ-SFE 3S-FE 1CD-FTV 2AZ-FE 3S-FE 1AZ-FE
NCS-T005	12V 90919-05071	TOYOTA	
		CELICA COUPE COROLLA SUPRA	2ZZ-GE 2ZZ-GE 2JZ-GTE
NCS-T006	12V 90919-05071	LEXUS	
		GS300 IS300	2JZ-GE 2JZ-GE
NCS-T007	12V 90919-05071	TOYOTA	
		LAND CRUISER	1UR-FE
NCS-T008	12V 90919-05071	LEXUS	
		GS ISC, LC LS LX RX	1UR-FE, 2UR-GSE 2UR-GSE 1UR-FE, 1UR-FSE 3UR-FE 2GR-FX5



CRANKSHAFT/CAMSHAFT POSITION SENSORS

TOYOTA / LEXUS

New-Era No.	Ref.No.	Application
NCS-T006 	12V 029600-0371 029600-0372 90919-05021	TOYOTA LAND CRUISER 5VZ-FE 96~02 4RUNNER 5VZ-FE 95~02 T100 5VZ-FE 94~98 TACOMA 5VZ-FE 95~04 TUNDRA 5VZ-FE 99~04
NCS-T007 	12V 90080-19014 90919-05026	TOYOTA CAMRY 1AZ, 2AZ 02~11 COROLLA 3ZZ 98~10 TACOMA 2RZ, 3RZ 95~04 SIENTA 1MZ, 3MZ 01~06 CELICA 1ZZ 00~05 MATRIX 2AZ 03~13 HIGHLANDER 2AZ, 3MZ 00~04 LEXUS ES300 1MZ, 3MZ 98~03 ES330 1MZ, 3MZ 04~06 HS350h 2AZ-FXZ 10~12 RX300 1MZ 99~03
NCS-T008 	12V 90919-05045 90919-05081 90919-05087	TOYOTA AURIS 1NZ-FE 06~12 PRIUS 1NZ-FXE 03~09 WILL CYPHA 1NZ-FE, 2NZ-FE 01~05 YARIS VERSO 1NZ-FE, 2NZ-FE 99~05 YARIS/VITZ 1NZ-FE 01~05 2NZ-FE 99~05 1NZ-FXE 12

CRANKSHAFT/CAMSHAFT POSITION SENSORS

mitsubishi

New-Era No.	Ref.No.	Application	
NCS-M001	12V MR420734 J005T26273 J5T26273	MITSUBISHI	
		LANCER	4G13, 4G92 90~03 4G18 03~08
		SPACE STAR	4G13, 4G18 98~01
		CARISMA	4G92 95~06
		COLT	4G13, 4G92 88~03
		MIRAGE	4G13 95~03
NCS-M002	12V ME226858 0 281 002 929	MITSUBISHI	
		CANTER	4M42 06~
NCS-M003	12V ME225366 0 281 002 807	MITSUBISHI	
		EXCAVATOR	4M50 05~10
		CANTER	01~19
		ROSA	
NCS-M004	12V MD327107	MITSUBISHI	
		LANCER MK	4G15 83~90
		LANCER MK IV	4G15 88~92
		LANCER SALOON	4G63 TURBO 98~01 04 06
NCS-M005	12V MR985041 J5T3147	MITSUBISHI	
		COLT	4A91 06~09
		COLT VI	3A91, 4A91 04~12
		LANCER VII	4A91 08, 10
		SMART	
		FORFOUR	M 134.910/911 04~06 M 135.950 04~06



CRANKSHAFT/CAMSHAFT POSITION SENSORS

MAZDA / HONDA / SUZUKI / SUBARU

New-Era No.	Ref.No.	Application
NCS-Z001 	12V FSD-18-221 ZL01-18-221 ZL01-18-221A J005T27072 J5T27072	MAZDA MAZDA 323 DEMIO MX-5 / MIATA FP55, ZL05;ZL06, RF3F, RF1G, ZM B3ME, B5E 98~04 98~03 98~05
NCS-Z002 	12V FSD7-18-221B FSD7-71-1621	MAZDA 626 323 MPV PREMACY FP, FP9A, FPY3, FS, RF3F B3ME, FP, RF1G, RF3F, ZL05 FS, FSDS FP, FS7G, RF3F 97~02 98~04 99~02 99~05
NCS-Z003 	12V PE01-18-221	MAZDA MAZDA2 MAZDA3 MAZDA6 CX-3 CX-5 MX-5 P5-, S5- P5-, PE-, SH- S5-, S8-, HF- PR-, PY-, SH- S5-, S8-, PE- PE-, PY-, SH- P5-, PE- 14~18 13~14 16~19 12~18 15~18 11~18 15~18
NCS-H001 	12V 37840-RJH-006 37840-PLC-006 37840-PLC-000	HONDA CIVIC VII COUPE FR-V STREAM D17A1/2/5/6/7/8 D17A2 D17A2 01~05 04 01 ACURA EL D17A2 04~05
NCS-S001 	12V 33220-70E00 J5T10771	SUZUKI BALENO SWIFT VITARA X-90 WAGON R G16B G13A/B G16B G16B G13BB 95~02 85~01 98~02 95~97 06~21 SUBARU JUSTY EF13 G13BB 95~10 01~13

CRANKSHAFT/CAMSHAFT POSITION SENSORS

DAEWOO / CHEVROLET / HYUNDAI / KIA

New-Era No.	Ref.No.	Application		
NCS-X001	12V 96183235		DAEWOO	
			LANOS NUBIRA	97~02 99~05
NCS-X002	12V 39180-22600		HYUNDAI	
			ACCENT COUPE ELANTRA GETZ MATRIX	G4EH G4ED-G G4ED-G G4EA, G4ED-G, G4EE G4ED-G 94~00 06~09 00~06 02~09 01~06
NCS-X003	12V 25182450		KIA	
			RIO	06~11
NCS-X004	12V 96253544		CHEVROLET	
			AVEO CRUZE OPTRA VIVANT	F14D3 / F15S3 F16D3, LXT, LXV LXT 05~06 09 03~08 00
NCS-X005	12V 39180-2B000		DAEWOO	
			KALOS LACETTI NUBIRA TACUMA	F14D3 F16D3 A16DMS F14D3, F16D3 F18D2, F18S2 03~05 04~05 99~02 02~04 00
NCS-X006	12V 96253544		CHEVROLET	
			AVEO LACETTI	F12S3, F14D3 F16D3, T18SED 06 05
NCS-X007	12V 96253544		DAEWOO	
			TACUMA	A16DMS, A18DMS X20SED 00 01
NCS-X008	12V 39180-2B000		HYUNDAI	
			ELANTRA ACCENT VELOSTER SONATA	G4NB-B, G4FG, G4FC G4FA, G4FC (1.6L) G4KD, G4NA 10~16 10- 12~15 09~14
NCS-X009	12V 39180-2B000		KIA	
			RIO SOUL FORTE FORTE KOUP	(1.6L) (1.6L) (1.8L, 2.0L) (2.0L) 12~14 09~15 14~15 14~15

CRANKSHAFT/CAMSHAFT POSITION SENSORS

DAEWOO / CHEVROLET / HYUNDAI / KIA

New-Era No.	Ref.No.	Application
NCS-X006 12V 	39180-25200 39180-25300	HYUNDAI IX35 G4KD 10 SANTA FE G4KE 10~12 SONATA G4KC, G4KD 06~14 SANTA G4KC 10~14 TUCSON G4KC 10~13 KIA FORTE G4KC 10~13 OPTIMA G4KC 06~14 RONDO G4KC 07~10 SORENTO G4KC 11~14 SPORTAGE G4KC 11~14
NCS-X007 12V 	39180-26900	HYUNDAI ACCENT G4EA/B/C/D/E/H/K, G4ER 00~11 COUPE G4ED-G, G4GR 98~09 ELANTRA G4ED-G, G4GR 00~06 GETZ G4EA, G4ED-G, G4EE 02~10 MATRIX G4ED-G 01~10 KIA CERATO G4ED 04~ RIO G4ED/E 05~
NCS-X008 12V 	0K30A-18891	KIA RIO A3E, A5D 01~05 SEDONA K5, KV6 01~06
NCS-X009 12V 	39310-38070	HYUNDAI SANTA FE G4JS-G, G4BP, G4JP 01~06 SONATA G4JS 99~05 KIA OPTIMA GS4JS 01~06 SORENTO GS4JS 02~
NCS-X010 12V 	39318-39800	KIA SORENTO G6AU 03~06 G6CU 02~

CRANKSHAFT/CAMSHAFT POSITION SENSORS

DAEWOO / CHEVROLET / HYUNDAI / KIA

New-Era No.	Ref.No.	Application	
NCS-X011	12V 96325867	CHEVROLET AVEO SPARK (MATIZ)	F12S3, LY4 F8CV, B10S, LA2 06~07 05
		DAEWOO KALOS MATIZ	B12S1, F12S3 F8CV 03 98
NCS-X012	12V 96325868	CHEVROLET AVEO SPARK (MATIZ) NUBIRA	F12S3, LY4, F14D3, L14 F8CV, B10S1, LA2 F14D3 06~07 05 06
		DAEWOO KALOS LACETTI MATIZ TICO	B12S1, F12S3, F14D3 F14D3 F8CV F8CV 03 04 98 96~00
NCS-X013	12V 39350-2B000 39350-2B010 39350-2B030	HYUNDAI I10 I20 I30 IX20 VELOSTER	G3LA, G4LA G4FA, G4FC, G4LA G4FA, G4FC, G4FD G4FA, G4FC G4FD 08~13 08~15 07~12 10 11
		KIA CARENS CEE'D CERATO PICANTO RIO SOUL SPORTAGE	G4FC / G4FD G4FC, G4FD G4FC G3LA, G4LA G4LA G4FC G4FD 09~10/13 06~12 06 11 11 11 11
NCS-X014	12V 39350-02710 39350-02800	HYUNDAI AMICA GETZ I10	G4HD, G4HG G4HG G4HG 03~10 05~09 07~13
		KIA PICANTO	G4HE, G4HG 04

